

**THE
DOE RUN
COMPANY**

Remediation Group

Mark Nations
Mining Properties Manager
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September 10, 2013

Mr. Jason Gunter
Remedial Project Manager
U.S. Environmental Protection Agency
Region 7 - Superfund Branch
11201 Renner Blvd.
Lenexa, KS 66219

Re: The Doe Run Company – Federal Mine Tailings Site Monthly Progress Report

Dear Mr. Gunter:

As required by Article XVII, Paragraph 73 of the Administrative Order on Consent (Docket No.VII-97-F-0009) for the referenced project and on behalf of The Doe Run Company, the progress report for the period August 1, 2013 through August 31, 2013 is enclosed. If you have any questions or comments, please call me at 573-518-0800.

Sincerely,



Mark Nations
Mining Properties Manager

TLM/jms
Enclosure

c: Jason England – TDRC
Matt Wohl – TDRC (electronic only)
Mark Yingling – TDRC (electronic only)
Martin Kator – MDNR - DSP
Robert Hinkson – MDNR - HWP
Ty Morris – Barr Engineering

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Federal Mine Tailings Site
Park Hills, Missouri
Monthly Progress Report
Period: August 1, 2013 – August 31, 2013

1. Actions Performed or Completed This Period:

- a. Work continued on the task of stockpiling rock onsite. This work focused on stockpiling trail rock, Type 1 riprap, Type 2 riprap, and Type 3 riprap. These rock types are being stockpiled in the Borrow Area. As of the end of the period, work on this task continued.
- b. Work in the Off Road Vehicle (ORV) Riding Area also continued on covering the trails and grids that exceeded the 600 ppm action level in the portion of the ORV Riding Area included in Phase II and Phase IV of the fencing plan. As of the end of the period, work on this task continued.
- c. Work in the ORV Riding Area also continued on the Blue Bird Drainage Channel in Phase II of the Riding Area. This work focused on constructing the channel to final grade and rocking the channel. As of the end of the period, work on this task continued.
- d. Work began in the Borrow Pit Area. This work focused on covering the open areas with mine rock. As of the end of the period, work on this task continued.
- e. Work continued in the Shaw Branch Creek Area north of Highway 32. This work focused on placing shot rock over the areas outside of the channel. As of the end of the period, work on this task continued.

2. Data and Results Received This Period:

- a. Attached are the lead monitoring results for the Missouri Department of Natural Resources – Department of State Parks (MDNR-DSP) air monitor located near the ORV Riding Area for June 2013. Neither The Doe Run Company nor Barr Engineering were involved with siting this monitor, collecting the samples, processing the samples, evaluating the data, or verifying the accuracy of the data.
- b. During this period, the Ambient Air Monitoring Report for May 2013 was completed. Any issues identified in this report are discussed below. A copy of this document has been sent to your attention.

The May 2013 Ambient Air Monitoring Report noted the following:

- The action levels for lead and dust were not exceeded.
- No samples were taken with the TSP monitors on 05/27/13 due to the holiday.
- No samples were taken with the PM₁₀ monitors on 05/28/13 due to the holiday.
- No samples were taken with the Federal #4 TSP monitor on 05/21/13 due to mechanical failure. Upon discovery, the issue was corrected.

3. Planned Activities for Next Period:

- a. Work in the ORV Riding Area will continue on the task of covering the trails and grids that exceeded the 600 ppm action level in the portion of the area included in the Phase II and IV fencing plan.
- b. Work in the ORV Riding Area will continue on the Blue Bird Drainage Channel. Work in this area will focus on rocking this channel.
- c. Work in the Borrow Pit Area will continue on covering the open areas with trail rock.
- d. Work will continue in the Shaw Branch Creek Area north of Highway 32. Work in this area will focus on rocking this area.

- e. Work will continue on the task of stockpiling trail rock, Type 1 riprap, and Type 2 riprap.

4. Changes in Personnel:

- a. None.

5. Issues or Problems Encountered and the Resolution:

- a. None.

End of Monthly Progress Report

Air Quality Monitoring Pb results for June 2013
St. Joe State Park
Primary

AQM Pb results for April 2013 St. Joe State Park Primary					AQM Pb results for May 2013 St. Joe State Park Primary				
Sample Number	Date Collected	Sampler	Result		Sample Number	Date Collected	Sampler	Result	
AB95910	4/1/2013	#1 Primary	0.0151	µg/m³	AB97764	5/1/2013	#1 Primary	0.7632	µg/m³
AB95930	4/4/2013	#1 Primary	0.3022	µg/m³	AB97784	5/4/2013	#1 Primary	0.0058	µg/m³
AB95950	4/7/2013	#1 Primary	0.0629	µg/m³	AB97804	5/7/2013	#1 Primary	0.0182	µg/m³
AB95970	4/10/2013	#1 Primary	0.0874	µg/m³	AB97824	5/10/2013	#1 Primary	0.0158	µg/m³
AB95982	4/13/2013	#1 Primary	0.0613	µg/m³	AB97857	5/16/2013	#1 Primary	0.0052	µg/m³
AB95987	4/16/2013	#1 Primary	0.0135	µg/m³	AB97863	5/19/2013	#1 Primary	0.0286	µg/m³
AB95993	4/19/2013	#1 Primary	0.0052	µg/m³	AB97869	5/22/2013	#1 Primary	0.0099	µg/m³
AB95999	4/22/2013	#1 Primary	0.0078	µg/m³	AB97881	5/28/2013	#1 Primary	0.4179	µg/m³
AB96005	4/25/2013	#1 Primary	0.0094	µg/m³	AB97887	5/31/2013	#1 Primary	0.0072	µg/m³
AB96010	4/28/2013	#1 Primary	0.0122	µg/m³					
April Sum 0.577		April Average 0.0577	µg/m³		May Sum 1.2718		May Average 0.141311111111111	µg/m³	
Run Days Scheduled 10	Actual 10	April Data Capture Rate	100.000%		Run Days Scheduled 11	Actual 9	May Data Capture Rate	81.818%	

Sample Number	Date Collected	Site	Result	
AC02246	6/3/2013	St. Joe State Park - #1 Primary	0.0265	µg/m³
AC02266	6/6/2013	St. Joe State Park - #1 Primary	0.0287	µg/m³
AC02286	6/9/2013	St. Joe State Park - #1 Primary	0.0368	µg/m³
AC02306	6/12/2013	St. Joe State Park - #1 Primary	0.0952	µg/m³
AC02325	6/15/2013	St. Joe State Park - #1 Primary	0.0332	µg/m³
AC02333	6/18/2013	St. Joe State Park - #1 Primary	0.0138	µg/m³
AC02339	6/21/2013	St. Joe State Park - #1 Primary	0.0170	µg/m³
AC02345	6/24/2013	St. Joe State Park - #1 Primary	0.0046	µg/m³
AC02351	6/27/2013	St. Joe State Park - #1 Primary	0.0887	µg/m³
AC02357	6/30/2013	St. Joe State Park - #1 Primary	0.0519	µg/m³
June Sum 0.3964		June Average 0.03964	µg/m³	
Run Days Scheduled 10	Actual 10	June Data Capture Rate	100.000%	

Three month rolling average: 0.08 µg/m³

Three Month Data Capture Rate: 94%